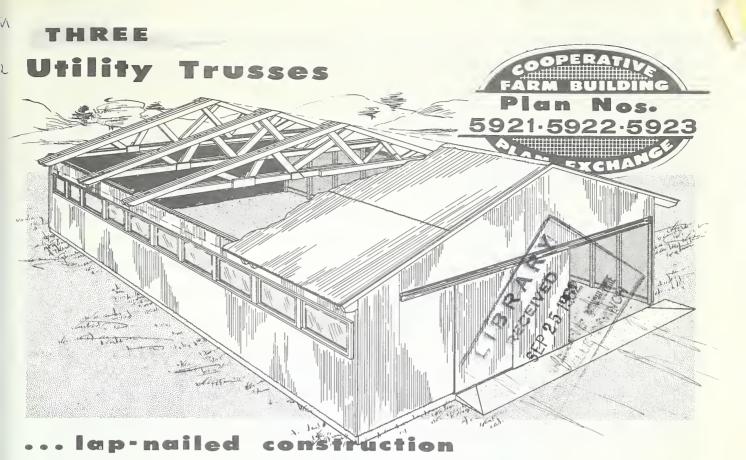
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For clear spans, roof trusses require less material than conventional rafters. These trusses can be built quickly without elaborate jigs or any special tools, and they require a minimum of precision cuts before assembly. The pieces are arranged so the ends can be trimmed off after each truss is assembled. To assemble a truss, drive three stakes in line on level ground. The two outer stakes mark location of the wall plate and the lap of the bottom chord of the truss. Drive a fourth stake to mark the point just beneath the top chords. Using these stakes, lay out the pieces and nail them according to the specifications on the working drawings. Trim the ends of the pieces, and the truss is complete.

Be sure to order the working drawing if you wish to use one of these trusses. The drawings give a bill of material for each truss and clearly show how the trusses fit together and are fastened. Nailing is critical, so follow the plans for exact size and placement of the nails.

Plan 5921 (1 sheet) spans 36 feet and has double chords on the top and bottom.

Plan 5922 (1 sheet) spans 24 feet and has double chords on the top but not on the bottom.

Plan 5923 (1 sheet) spans 24 feet and has no double members.

HOW TO ORDER PLANS

Complete working drawings may be obtained through your county agent or from the Extension agricultural engineer at most State agricultural colleges. There is usually a small charge.

ORDER PLANS BY NUMBER AND TITLE

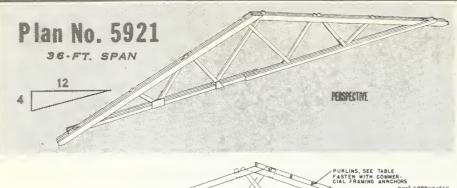
If working drawings of this plan are not available in your State, write to the U.S. Department of Agriculture, Agricultural Engineering Research Division, Plant Industry Station, Beltsville, Md. The U.S. Department of Agriculture does not distribute drawings, but will direct you to a State that does distribute them.

Refer to the tables on the back of this sheet to judge how far apart to set your trusses. The tables also recommend purlin size and spacing for different truss spacings. In general, for farm service buildings, designs to resist snow and wind loads of 30 pounds per square foot are heavy construction; 20 to 25, medium; and 15, light. Consult local building codes or your county agent for the recommended design live load for your area.

Washington, D.C.

Issued August 1962

Miscellaneous Publication No. 909

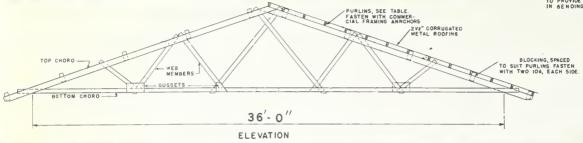


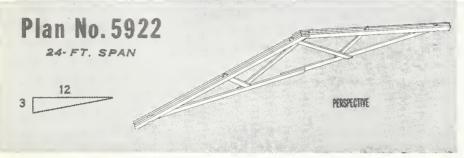
-			
WHERE SNOW OR WIND LOADS WILL NOT EXCEED	TRUSSES MAY BE SPACEO UP TO	PURLINS MAY SPACEO BE UP TO	
15 LBS, PER SO. FT.	12 °- 0" O. C.	2"14"	1'-6"0. C. 3'-6" #
IB LBS.	10 '- 0"	2" 1 4"	1'-8" 3'-6"
23 LBS.	B - O"	2" x 4" 2" x 6"	2'-0" 3'-0"
31 LBS.	6 °- 0"	2" : 4"	2'-8"

MAX SPACING FOR CORRUGATED METAL

THIS TRUSS IS DESIGNED TO SUPPORT LOADS UP TO 200 LBS PER FOOT OF SPAN, INCLUDING THE WEIBHT OF PURLINS AND ROOFINE.

ALL LUMBER SHALL BE STRESS GRACEO TO PROVICE 1500 PSI FIBER STRESS IN BENOING, AND 1350 PSI IN COMPRESSION

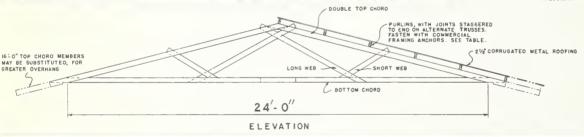


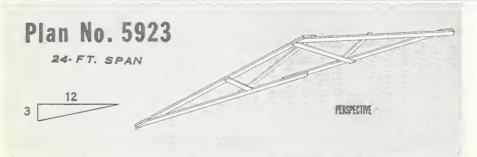


WHERE SHOW OR WIND LOADS WILL NOT EXCEEO		TRUSSES MAY BE SPACED UP TO		SPACEO UP TO	
15 LBS. F	ER SO.FT.	6'-0" O.C.	2 4 4 ON EDGE	3 -6" O.C.	
20 "		5'-4" "	2" 4" FLAT	2'-4" "	
25 "		45-45-5	2"x 4" "	2'-8" "	
30 *		3'- B° °	2°3 4° °	5,9	

THIS TRUSS IS OESIGNED TO SUPPORT LOADS UP TO 120 LBS PER FOOT OF SPAN, INCLUDING THE WEIGHT OF PURLINS AND ROOFING.

ALL LUMBER SHALL BE STRESS GRADED TO PROVIDE 1500 PSI FIBER STRESS IN BENDINB, AND 1350 PSI IN COM-PRESSION.

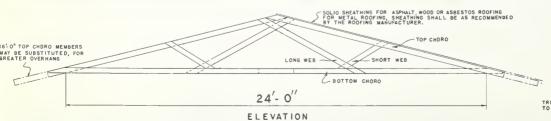




WHERE BNOW OR WIND LOADS WILL NOT EXCEED	TRUSSES MAY BE SPACEO UP TO	ROOF SHEATHING		
IS LBS. PER SO. FT.	4 - 0" O.C.	2"x4" LAIO FLAT SPACEO 3-6" O.C. FOR 2 V2 COR. METAL ROOFING ONLY		
20	2 - 8 * * *			
25	2-4" "	I NOMINAL SOLID WOOD SHEATHING FOR ALL ROOFING MATERIALS		
30	2 - 0" • •	NOOFING EATERIALS		

THIS TRUSS IS OESIGNED TO SUPPORT LOADS UP TO TO LBS. PER FOOT OF SMAN, INCLUDING THE WEIGHT OF THE ROOF.

ALL LUMBER SHALL BE STRESS GRACED TO PROVICE 1500 PSI FIBER STRESS IN BENDING, AND 1350 PSI IN COMPRESS-ION.



TRUSSES SHOULD BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE.



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